

## A Remote Community Wind Energy Incentive Program

- Wind energy represents a significant opportunity for Canada's northern, remote and Aboriginal communities who are largely dependent on diesel-powered electricity generation that is expensive, polluting and leaves communities at the whim of import prices and long-term availability.
- Wind energy projects in Canada's northern, remote and Aboriginal communities have not been able to benefit from Federal power production incentive programs for wind energy because the incentive level is not high enough to address the higher costs associated with wind energy production in the North
- The Canadian Wind Energy Association (CanWEA) has worked with a wide range of experts and stakeholder to design a Remote Community Wind Incentive Program that has garnered the support of many Northern organizations and communities. It would provide assistance in two ways:
  - A grant to cover 5% of capital costs for wind energy projects (large cities and industry) and 10% of capital costs for wind energy projects in remote villages, and
  - A power production incentive of 2 cents / kWh (for large cities and industry) and 10 cents / kWh for remote villages that would be paid for the first 10 years of operation
- A Remote Community Wind Incentive Program should be implemented as a **specific set-aside to Northern and remote communities through the ecoENERGY for Renewable Power Program.**
- A Remote Community Wind Incentive Program would cost \$61 million over 18 years (an annual cost of \$3.4 million / year), and would achieve the following:
  - 34 new wind energy projects (55 MW of capacity) in remote, Northern and Aboriginal communities;
  - \$300 million dollars in total diesel fuel savings in participating communities;
  - 10% (128 MWh) of electricity demand met by wind energy in remote communities;
  - 77 kilotonnes of CO<sub>2</sub>e emission reductions per year, equivalent to taking more than 12,600 cars off the road;
  - foster the development of mid-range Canadian wind turbine technology, an industry in which Canada is poised to be a world leader.



Canadian built wind turbines currently operating in Alaska

